



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/692,885	10/24/2003	Praveen Seshadri	MS306692.01/MSFTP545USB	1922
27195 7590 05/13/2008 AMIN. TUROCY & CALVIN, LLP 24TH FLOOR, NATIONAL CITY CENTER 1900 EAST NINTH STREET CLEVELAND, OH 44114			EXAMINER CHOW, CHIH CHING	
			ART UNIT 2191	PAPER NUMBER
			NOTIFICATION DATE 05/13/2008	DELIVERY MODE ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

docket1@thepatentattorneys.com
hholmes@thepatentattorneys.com
lpasterchek@thepatentattorneys.com

Office Action Summary	Application No. 10/692,885	Applicant(s) SESHADRI ET AL.	
	Examiner CHIH-CHING CHOW	Art Unit 2191	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 03 March 2008.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-37 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-37 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 24 October 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>1/18/08</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This action is responsive to amendment dated March 03, 2008.
2. Per Applicants' request, claims 1, 18, and 30 have been amended.
3. Claims 1-37 remain pending.

Response to Amendment

4. Applicants' amendment filed on 3/3/08, responding to the 12/3/07 Office action provided in the Double Patenting rejections. The Double Patenting rejections to the copending application US 2005/0091269, and US Patent No. 7,137,099 is hereby withdrawn in view of the terminal disclaimers submitted on 3/3/2008 by the Applicant.
5. Applicants' amendment filed on 3/3/08, responding to the 12/3/07 Office action provided in the 35 USC § 112 rejections for claims 1-17. The examiner has reviewed the amended claim 1 respectfully.
6. The rejection to the 35 USC § 112 rejections is hereby withdrawn in view of Applicants' amended claim 1.

Response to Arguments

7. Applicant's arguments with respect to claims 1-37 have been considered but are moot in view of the new ground(s) of rejection necessitated by Applicant's amendments to the claims.
8. The examiner has reviewed the updated amendments, and noted that the amendment has changed the scope of the claims, therefore new citation has to be introduced. See 35 USC § 102 rejections (claims include the amendments) herein below:

Claim Rejections - 35 USC § 102

9. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

10. Claims 1, 2, 5-16, 18, 21, and 23-28 are rejected under 35 U.S.C. 102(b) as being anticipated by Knutson et al. (U.S. Patent No. 5,870,746).

11. Knutson anticipates independent claim 1 by the following:

“...a data storage component...” at col. 7, lines 53-54.

“...a plurality of folders comprising links to particular data files stored in the data storage component...” at col. 8, lines 1-6, col. 44, lines 13-14, col. 36, lines 30-32, and col. 7, lines 53-54.

“...the content of the folders controlled at least in part...” at col. 43, lines 66-67, col. 8, lines 1-6, and col. 45, lines 30-31.

“... by end-user specified preferences...” at col. 62, lines 36-37 and col. 8, lines 11-13.

“...the folders include any type of link collection defined by a set of relationships...” at col. 8, lines 1-6, col. 44, lines 13-14, and col. 12, lines 58-63.

“... an ~~assessor~~ accessor that based at least in part on a Nth order accessor constraint effectuates actions and conditions associated with the content of the folders across multiple domains via resolve or link values associated with two or more different executable applications, the Nth order determined by a relationship to the end-user.” at col. 1, lines 44-45, col. 28, lines 18-32, and col. 29, lines 60-62. Independent claim 1 is anticipated in Figures 1 and 2. Figure 1 consists of

three computers designated by numbers 30, 32, and 34. The input device (21) provides **an interface for end-users to enter their preferences to the Folder Management Subsystem** (54), which resides in the Client Subsystem (12). Computer 32 contains three subsystems and provides a link to computer 34, which contains the Data Warehouse (24), which is a data storage component. – Knutson’s disclosure also teaches the information accessor applies for a plurality of users determined by relationship to the end-users, see Knutson’s Abstract, “The application program allows a user to **define predetermined data types, to define relationships between the data types,**” Further, col. 2, lines 12-17, “allow a user to define new terms and **detect and manage relationships between terms,** which allow a user to easily generate related reports, and which allow a user to re-run sets of related reports over new data. It would also be desirable to provide a system and method for **allowing a user to segment and partition a database based upon attributes associated with the data in the database.**” And col. 5, lines 31-35, “The following table is used to join two attributes together to evaluate **a dimensional query.** That is, if the previous table (above) is not sufficient to join **all attributes in a dimensional query to the measure,** this table can be searched to try to find a path of attributes that can be used to **create multiple joins (Nth order) to combine all attribute tables** with all measure tables.” – wherein the attributes query are the accessors to the data in the Data Warehouse, they are grouped as the 'folders' across multiple domains.

12. As per claim 18, the “...a data storage component...,” is taught by Knutson at col. 7, lines 53-54, the “...plurality of data containers storing pointers to sections of data” is taught by Knutson at col. 12, lines 9-12, col. 28, lines 63-67, and col.

62, lines 26-28, the “...stored on the data storage component...” is taught by Knutson at col. 7, lines 53- 54, and the “...content of the data containers being controlled by end-user programs ...” is taught by Knutson at col. 43, lines 66-67, col. 12, lines 9-12, col. 45, lines 30-31, and col. 4, lines 48-49, and col. 6. lines 56-59.

And the “a facility that utilizes resolve or link values associated with disparate end-user programs to effectuate actions and conditions associated with the sections of data across a plurality of domains, the facility employs accessor constraints on an Nth order, the Nth order ascertained from an end-user perspective.” See Knutson’s col. 1, lines 44-45, col. 28, lines 18-32, and col. 29, lines 60-62. For the newly added feature see claim 1 rejection.

13. As per claim 2, the “...data storage component stores schematized data...,” is taught by Knutson at col. 7, lines 53-54 and col. 7, lines 11-13.

14. As per claim 5, the “... preferences are constructed automatically based on inferences ...” is taught by Knutson at col. 8, lines 11-13, col. 20, lines 19-21, and col. 30, lines 55-58; and the “... made from user activity...,” is taught by Knutson at col. 7, lines 2-4 and col. 6, lines 51-55.

15. As per claim 6, the “... preferences specify a plurality of conditions and actions...,” is taught by Knutson at col. 8, lines 11-13, col. 7, lines 16-19, and col. 22, lines 22-31.

16. As per claim 7, the “...one of the conditions relates to user context...” is taught by Knutson at col. 7, lines 16-19 and col. 5, lines 25-27. For claim 7, the term "background" is used to suggest the term context".

17. As per claim 8, the “...preferences specified in accordance with a developer specified schema...,” is taught by Knutson at col. 8, lines 11-13, col. 5, lines 56-59, col. 3, lines 48-53, and col. 7, lines 11-13. For claim 8, the term "analyst" is used to suggest the term "developer".

18. As per claim 9, the “... preferences and schema are stored in tables in the data storage component...,” is taught by Knutson at col. 8, lines 11-13, col. 7, lines 11-13, col. 13, lines 8-9, and col. 7, lines 53-54.

19. As per claim 10, the “... preferences are evaluated upon the occurrence of an event...,” is taught by Knutson at col. 8, lines 11-13, col. 51, lines 18-19, and col. 44, lines 62-64.

20. As per claim 11, the “... preferences are evaluated in a set oriented fashion utilizing a query language...,” is taught by Knutson at col. 8, lines 11-163, col. 51, lines 18-19, and col. 6, lines 32-36.

21. As per claim 12, the “...one or more actions are executed in accordance with a preference” is taught by Knutson at col. 22, lines 22-31, col. 40, lines 63-65, and col. 8, lines 11-13 and the “...when the preference conditions are satisfied...,” is taught by Knutson at col. 8, lines 11-13 and the “...when the

preference conditions are satisfied...,” is taught by Knutson at col. 8, lines 11-13 and col. 61, col. 17-19.

22. As per claim 13, the “...action comprises creating a link in a folder...,” is taught by Knutson at col. 22, lines 22-31, col. 7, lines 11-13, col. 44, lines 13-14, and col. 8, lines 1-6.

23. As per claim 14, the “...action comprises excluding a link from a folder...,” is taught by Knutson at col. 22, lines 22-31, col. 32, lines 15-17, col. 44, lines 13-14, and col. 8, lines 1-6. For claim 14, the term "remove" is used to suggest the term "exclude".

24. As per claim 15, the “...action comprises deleting a link in one folder ...” is taught by Knutson at col. 22, lines 22-31, col. 32, lines 15-17, col. 44, lines 13-14, and col. 8, lines 1-6 and the “...and recreating a link in another folder...,” is taught by Knutson at col. 7, lines 11-13, col. 44, lines 13-14, and col. 8, lines 1-6.

25. As per claims 16 and 26, the “... action comprises notifying the user...,” is taught by Knutson at col. 22, lines 22-31 and col. 3, lines 38-39.

26. As per claim 21, the “...end-user programs are composed using a graphical user interface...,” is taught by Knutson at col. 6, lines 56-59, col. 41, lines 66- 67, and col. 5, lines 56-59. For claim 21, the term "written" is used to suggest the term "composed".

27. As per claim 23, the “...end-user programs utilize historical information in stored in a data container...,” is taught by Knutson at col. 6, lines 56-59, col. 6, lines 51- 55, and col. 12, lines 10-12.

28. As per claim 24, the “...execution of the end-user program...,” is taught by Knutson at col. 40, lines 63-65 and col. 6, lines 56-59 and the “...comprises executing a query on structured data to produce a result table...,” is taught by Knutson at col. 40, lines 63-65, col. 8, lines 42-43, col. 39, lines 24-26, and col. 6, lines 11-14.

29. As per claim 25, the “...one or more actions are taken based on the data in the result table...,” is taught by Knutson at col. 22, lines 22-31 and col. 6, lines 11-14.

30. As per claim 27, the “...action includes adding a pointer to a data container...,” is taught by Knutson at col. 22, lines 22-31, col. 7, lines 63-67, col. 28, lines 63-67, and col. 12, lines 9-12.

31. As per claim 28, the “...action includes removing a pointer from a data container...,” is taught by Knutson at col. 22, lines 22-31, col. 32, lines 15-17, col. 28, lines 63-67, and col. 12. lines 9-12.

Claim Rejections - 35 USC § 103

32. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

33. Claims 3 and 4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Knutson as applied to claim 1 above, and further in view of Bailey ("On-Event-Condition-Action Language for XML").

34. As per claim 3, the "...preferences are specified..." is taught by Knutson at col. 8, lines 11-13, but the "...using a plurality of ON (event)IF (condition)THEN (action) statements..." and the "...and one or more Boolean operators..." are not taught by Knutson.

However, Bailey teaches the use of on event if condition then action statements and the use of Boolean operators as follows"

"...On event if condition do actions. Rather than introducing yet another query language for XML, we use the XPath [32] and XQuery[33] languages to specify events, conditions and actions within our ECA rules. XPath is used in a number of W3C recommendations, such as XPointer, XSLT and XQuery itself, for selecting and matching parts of XML documents and so is well-suited to the requirements of ECA rules. XQuery is used in our ECA rules only where there is a need to be able to construct new fragments of XML. We define each of the components of our ECA rule language below, give some example rules, and describe the rule execution semantics..." at sec. 2.

"...The condition part of an ECA rule is either the constant TRUE, or one or more simple XPath expressions connected by the boolean connectives and, or, not..." at section 2.2.

It would have been obvious to one of ordinary skill at the time of the invention to combine Bailey with Knutson to use "on event if condition do actions" syntax and Boolean operators in order to use commonly accepted software systems and gain greater acceptance from potential users. Knutson and Bailey have related applications. They teach the use of computers, the use of databases, the use of networks, the use of markup languages, the use of schema, the use of pointers, and the use of relationships. Knutson provides data stores, folders, links, relationships, and preferences and Bailey provides "on event if condition do actions" syntax and Boolean operators.

35. As per claim 4, the "...preferences are specified utilizing a graphical user interface..." is taught by Knutson at col. 8, lines 11-13 and col. 5, lines 56-59.

36. Claims 17 and 29 are rejected under 35 U.S.C. 103(a) as being unpatentable over Knutson as applied to claims 1 and 18 above respectively, and further in view of Ku et al. (U.S. Patent No. 6,532,471).

37. As per claim 17, the "...preferences..." is taught by Knutson at col. 8, lines 11-13, the "...such that they can be dragged, dropped..." is taught by Knutson at col. 21, lines 20-23, the "...amongst folders..." is taught by Knutson at col. 8, lines 1-6, but the "...are manifested as physical entities..." and the "...cut, and pasted..." are not taught by Knutson.

However, Ku teaches the cutting and pasting of physical entities as follows:

"...Objects are actually abstractions of physical entities or conceptual items..." at col. 5, lines 50-51.

"...The user may review the full interface definition language of the object, save the IDL or cut-and-paste it to another program such as a code editor for compiling..." at col. 5, lines 32-35.

It would have been obvious to one of ordinary skill at the time of the invention to combine Ku with Knutson to cut and paste physical entities in order to use commonly accepted means of moving and copying information through a graphical user interface and gain greater acceptance from potential users. Knutson and Ku have related applications. They teach the use of computers, the use of databases, the use of networks, the use of pointers, the use of relationships, and the use of entities. Knutson provides data stores, folders, links, relationships, and preferences and Ku provides the cutting and pasting of physical entities.

38. As per claim 29, the "...end-user programs..." is taught by Knutson at col. 6, lines 56-59, the "...are manifested as physical entities..." is taught by Ku at col. 1, lines 50-51, the "...that end-users can drag, drop..." is taught by Knutson at col. 4, lines 49-50 and col. 21, lines 20-23, the "...cut, and paste..." is taught by Ku at col. 5, lines 32-35, and the "...within data containers..." is taught by Knutson at col. 12, lines 9-12.

39. Claims 19, 20, and 22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Knutson as applied to claims 1 and 18 above respectively, and further in view of Thuraisingham (U.S. Patent No. 5,481,700).

40. As per claim 19, the "...end-user programs are written" is taught by Knutson at col. 6, lines 56-59 and col. 41, lines 66-67, but the "... using propositional logic...," is not taught by Knutson.

However, Thuraisingham teaches the use of propositional logic as follows:
"...In this section, we develop a propositional logic for multilevel environments..."
at col. 4, lines 13-14.

It would have been obvious to one of ordinary skill at the time of the invention to combine Thuraisingham with Knutson to use propositional logic in order to use means of supporting multilevel databases and provide greater system utility for potential users. Knutson and Thuraisingham have related applications. They teach the use of computers, the use of databases, the use of networks, the use of schema, and the use of relationships. Knutson provides data stores, folders, links, relationships, and preferences and Thuraisingham provides propositional logic.

41. As per claim 20, the "...end-user programs are written... ," is taught by Knutson at col. 6, lines 56-59 and col. 41, lines 66-67 and the "... utilizing predicate logic...," is taught by Thuraisingham at col. 7, lines 63-65 and col. 4, lines 13-14.

42. As per claim 22, the "...end-user programs are constrained...," is taught by Knutson at col. 6, lines 56-59 and col. 8, lines 65-67 and the "...by a logic schema... ," is taught by Thuraisingham at col. 4, lines 13-14 and col. 11, lines 62-65.

43. Claims 30-37 are rejected under 35 U.S.C. 103(a) as being unpatentable over Knutson et al. (U.S. Patent No. 5,870,746), Watters (U.S. Patent No. 6,490,718), and Saxe (U.S. Patent No. 6,343,376).

44. Knutson renders obvious independent claim 30 by the following:
"...writing user preferences..." at col. 15, lines 59-62 and col. 8, lines 11-13.
"...in accordance with a developer schema, the user preferences based at least in part on a determination of an Nth order relationship between the one or more named groups of data and a user;" at col. 3, lines 48-53 and col. 3, lines 26-29.
"...executing user preferences in response to an event..." at col. 10, lines 25-26, col. 8, lines 11-13, col. 8, lines 53-54, and col. 44, lines 62-64.
In claim 30, the term "analyst" is used to suggest the term "developer".
And the "... taking action based on..... that relates to two or more item domains associated with various executable applications." at Knutson col. 64, lines 10-12.
Knutson does not teach the use of named groups of data and the use of conditionally valid preferences. As to the newly added feature, see claim 1 rejection.

45. However, Watters teaches the use of named groups of data as follows:
"...with respect to one or more named groups of data..." at col. 1, lines 27-30.

It would have been obvious to one of ordinary skill at the time of the invention to combine Watters with Knutson to use named groups of data in order to associate control information with the groups of related data. Knutson and Watters have related applications. They teach the use of computers, the use of data

files, the use of networks, and the use of entities. Knutson provides data stores, schema, events, and preferences and Watters provides named groups of data.

46. Knutson does not teach the use of conditionally valid preferences.

However, Saxe teaches the use of conditionally valid preferences as follows:

"...and taking action based on a conditionally valid preference..." at col. 10, lines 23-29, col. 1, lines 66-67, col. 2, lines 1-2, and col. 22, lines 36-39.

It would have been obvious to one of ordinary skill at the time of the invention to combine Saxe with Knutson and Watters to use conditionally valid preferences in order to use context to analyze potential actions upon occurrence of events. Knutson, Watters, and Saxe have related applications. They teach the use of computers and the use of data files and Knutson and Saxe teach the use of databases, the use of links, the use of pointers, the use of relationships and the taking of actions. Knutson provides data stores, schema, events, and preferences, Watters provides named groups of data, and Saxe provides conditionally valid preferences. In claim 30, the term "choice" is used to suggest the term "preference".

47. As per claim 31, the "...events are received from a plurality of event sources...", is taught by Knutson at col. 44, lines 62-64, col. 15, lines 64-66, and col. 30, lines 10-13.

48. As per claim 32, the "...event source" is taught by Knutson at col. 44, lines 62-64 and col. 30, lines 10-13, the "...is a named group of data" is taught

by Watters at col. 1, lines 27-30, and the "...and the event is a change in the data associated therewith...", is taught by Knutson at col. 44, lines 62-64, col. 31, lines 41-45, and col. 29, lines 56-59.

49. As per claim 33, the "... preference execution comprises translating end-user specified preferences into queries" is taught by Knutson at col. 40, lines 62-65, col. 6, lines 63-66, col. 62, lines 36-37, col. 8, lines 11-13, and col. 8, lines 41-43 and the "...and executing queries on structured data...", is taught by Knutson at col. 16, lines 32-35 and col. 39, lines 24-26.

50. As per claim 34, the "...named group of data" is taught by Watters at col. 1, lines 27-30 and the "...can be used as a constant argument to a condition or action... ," is taught by Knutson at col. 16, lines 26-28, col. 17, lines 15-18, and col. 22, lines 22-31.

51. As per claim 35, the "...taking action corresponds to including a data file" is taught by Knutson at col. 22, lines 22-31, col. 36, lines 43-45, and col. 36, lines 30-32 and the "... into a named group of data...", is taught by Watters at col. 1, lines 27-30.

52. As per claim 36, the "...taking action corresponds to excluding a data file...", is taught by Knutson at col. 22, lines 22-31, col. 32, lines 15-17, and col. 36, lines 30-32 and the "...from a named group of data...", is taught by Watters at col. 1, lines 27-30.

53. As per claim 37, the "...computer readable medium having stored thereon computer executable instructions for carrying out the method of claim 32...", is taught by Knutson is Figure 27.

Conclusion

The following summarizes the status of the claims:

35 USC § 102 rejection: Claims 1-2, 5-16, 18, 21, 23-28

35 USC § 103 rejection: Claims 3-4, 17, 19-20, 22, 29-37

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chih-Ching Chow whose telephone number is 571-272-3693. The examiner can normally be reached on 8:30am - 5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wei Zhen can be reached on 571-272-3708. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300. Any inquiry of a general nature of relating to the status of this application should be directed to the **TC2100 Group receptionist: 571-272-2100**.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Chih-Ching Chow/
Examiner, Art Unit 2191
4/25/08

/Ted T. Vo/
Primary Examiner, Art Unit 2191